INTERGOVERNMENTAL AGREEMENT

BETWEEN
THE STATE OF ARIZONA
AND
THE CITY OF CHANDLER

Project No. M-950-6-501



THIS AGREEMENT, entered into this 22nd day of September 1980, pursuant to Arizona Revised Statutes, Sections 11-951 through 11-954, as amended, by and between the STATE OF ARIZONA, acting by and through the ARIZONA DEPARTMENT OF TRANSPORTATION, hereinafter called "STATE", and the CITY OF CHANDLER, hereinafter called "CITY",

WHEREAS, STATE is empowered by A.R.S. Section 28-108 to enter into this Agreement and the Director of the ARIZONA DEPARTMENT OF TRANSPORTATION has delegated to the undersigned his authorization to execute this Agreement on behalf of the STATE; and

WHEREAS, CITY is empowered by Article I, Section 1.03 of the Charter for the City of Chandler and A.R.S. Section 11-951 through Section 11-954, as amended to enter into this Agreement, and acting by and through its duly elected governing body, has by that certain resolution attached hereto and incorporated herein as Exhibit "A" resolved to enter into this Agreement and has authorized the undersigned as its representative to execute the same on behalf of said CITY; and

WHEREAS, the parties hereto have previously concluded an agreement dated January 25, 1979, for the joint improvement of State Route 87-93 (Arizona Avenue), which called for CITY to provide, operate, and maintain a retention basin with a capacity of 83 acre feet of water for the storm drainage system which was an integral part of said improvement; and

WHEREAS, in order to dispose of the water that will accumulate from said storm drainage system and thus complete the system, it is now necessary to make provision for the acquisition, installation, and operation and maintenance of the required pump and related valves, pipe and other incidentals.

THEREFORE, the parties hereto covenant and agree as follows:

STATE shall:

Pay to CITY the sum of TWENTY-THREE THOUSAND FIVE HUNDRED AND NO/100 DOLLARS (\$23,500.00), as its sole obligation under this agreement, to be used to purchase the necessary parts and equipment.

CITY shall:

- Use the \$23,500.00 from STATE to purchase the required pump, pipe, valves, and other incidentals for this project.
- Install and make operative the items in paragraph No. 1.
- Operate and maintain same at its sole expense.
- 4. Indemnify and save STATE harmless from all liability however arising to any and all persons whomsoever, whether for personal injuries or otherwise and from any claims of any person of damage to or loss of property by reason of the installation, operation, and maintenance of the pump, pipe, valves, and other incidentals or by reason of anything done or permitted to be done by CITY, its officers, agents, employees, or contractors in and about the area of the aforesaid retention basin.

NO. 666 T FILED WITH SECRETARY OF STATE Date Filed 9:45-80 Secretary of State 5. Release and does hereby release STATE from any further obligation, financial or otherwise, related to the aforesaid storm drainage system and retention basin and appurtenances which lie outside of the right of way limits of State Route 87-93(Arizona Avenue).

This Agreement shall be filed with the Secretary of State and shall become effective on the filing date.

Attached to this Agreement and incorporated herein by reference is Exhibit "B" which is a copy of the written determination of the appropriate attorney that CITY is authorized under the laws of this State to enter into this Agreement and that it is in proper form.

All parties are hereby put on notice that this Agreement is subject to cancellation by the Governor, pursuant to Arizona Revised Statutes, Section 38-511.

IN WITNESS WHEREOF, the parties have executed this Agreement the day and year first written above.

CITY OF CHANDLER DEPARTMENT-OF TRANSPORTATION

STATE OF ARIZONA

N 0/ 51/60

Title PUBLIC WORKS DIRECTOR

ri+lo.

ATTEST:

APPROVED AS TO FORM:

CITY ATTORNEY See Attached Letter



City of Chandler

OFFICE OF CITY ATTORNEY

Municipal Building

200 North Chippewa Flace Chandler, Arizona 85224 Telephone: 963-3444

August 5, 1980

Arizona Dept. of Transportation Highways Division 206 South 17th Avenue Phoenix, AZ 85007

RE: M-950-6-701

CHANDLER URBAN AREA Denver St. - Knox Rd.

Agreement for Drainage of the Denver School Retention Basin

Dear Sir:

This letter is to certify that I have reviewed the Intergovernmental Agreement between the State of Arizona and the City of Chandler relative to the above-referenced project and find that the City has the authority to enter into said Contract through Article I, Section 1.03 of the Charter for the City of Chandler and A.R.S. Section 11-951 through 11-954, as amended.

Respectfully submitted,

Clifford J. Frey

CJF/rl

RESOLUTION

BE IT RESOLVED, on this 22nd day of July, 1980, that I, W. A. Ordway, Director of the Arizona Department of Transportation have determined that it is in the best interests of the State of Arizona that the Highways Division of the Arizona Department of Transportation enter into an intergovernmental agreement with the City of Chandler to share the cost of pumps, related valves and other incidentals for the Denver School Retention Basin which was made a part of the comprehensive drainage plan for the City of Chandler, including drainage for Arizona Avenue (S.R. 87).

Therefore, authorization is hereby given to draft said agreement, which, upon completion, shall be submitted for approval and execution.

W. A. Ordway, Director,

NA Ordon

Arizona Department of Transportation

RESOLUTION NO 898

A RESOLUTION OF THE MAYOR AND CITY COUNCIL OF THE CITY OF CHANDLER, ARIZONA, AUTHORIZING ACCEPTANCE OF FUNDS AND SIGNING THE INTER-GOVERNMENTAL AGREEMENT WITH STATE OF ARIZONA DEPARTMENT OF TRANSPORTATION.

WHEREAS, the Mayor and City Council of the City of Chandler, Arizona, desire to provide proper and safe drainage in conformance to the City Code; and

WHEREAS, the storm water from Arizona Avenue is drained to the Denver Retention Basin which lacks the capability to dissipate the collected water in conformance to the City Code; and

WHEREAS, there is a shared responsibility between the City of Chandler and the Arizona Department of Transportation to insure that proper drainage from the Denver Retention Basin does occur,

NOW, THEREFORE, BE IT RESOLVED BY THE MAYOR AND COUNCIL OF THE CITY OF CHANDLER, ARIZONA, AS FOLLOWS:

- 1. That the City of Chandler and the Arizona Department of Transportation enter into an agreement for funds to purchase drainage equipment and provide force account installation to provide proper drainage of the Denver Retention Basin; and
- 2. That the Director of Public Works be authorized to enter into such agreement with the Arizona Department of Transportation for the City's receipt of \$23,500 and the City's commitment to install, operate and maintain the drainage equipment.

PASSED AND APPROVED by the Mayor and Council of the City of Chandler, Arizona, this 38th day of august.

ATTEST:

C-E-R-T-I-F-I-C-A-T-1-O-N

I HEREBY CERTIFY THAT the above and foregoing Resolution No. 898 was duly passed and approved by the City Council of the City of Chandler this day of day of 1980, and that a quorum was present thereat.

elen M. Clair

OFFICE OF THE

Attorney General

1801 WEST JEFFERSON STREET FOURTH FLOOR PHOENIX. ARIZONA 85007

INTERGOVERNMENTAL AGREEMENT

DETERMINATION

A. G. Contract No. 79-51 which is an agreement between public agencies has been reviewed pursuant to A.R.S. § 11-952, as amended, by the undersigned Assistant Attorney General who has determined that it is in proper form and is within the powers and authority granted to the State or its agencies under the laws of the State of Arizona.

No opinion is expressed as to the authority of the remaining parties, other than the State or its agencies, to enter into said agreement.

DATED this 23 day of January, 1979.

ROBERT K. CORBIN Attorney General

JAMES R. REDPATH

Assistant Attorney General

OFFICE OF THE



Attorney General

1801 WEST JEFFERSON STREET FOURTH FLOOR PHOENIX. ARIZONA 85007

ROBERT K CORBIN ATTORNEY GENERAL

INTERGOVERNMENTAL AGREEMENT

DETERMINATION

A. G. Contract No. 80-595, which is an agreement between public agencies, has been reviewed pursuant to A.R.S. § 11-952, as amended, by the undersigned Assistant Attorney General who has determined that it is in proper form and is within the powers and authority granted to the State or its agencies under the laws of the State of Arizona.

No opinion is expressed as to the authority of the remaining parties, other than the State or its agencies, to enter into said agreement.

DATED this /5 day of

ROBERT K. CORBIN Attorney General

Assistant Attorney General Transportation Division

MEMO NO. 238

August 5, 1980

TO: JAMES GOFF, PUBLIC WORKS DIRECTOR

FROM: ARCHIE FERGUSON, DEPUTY CITY ENGINEER

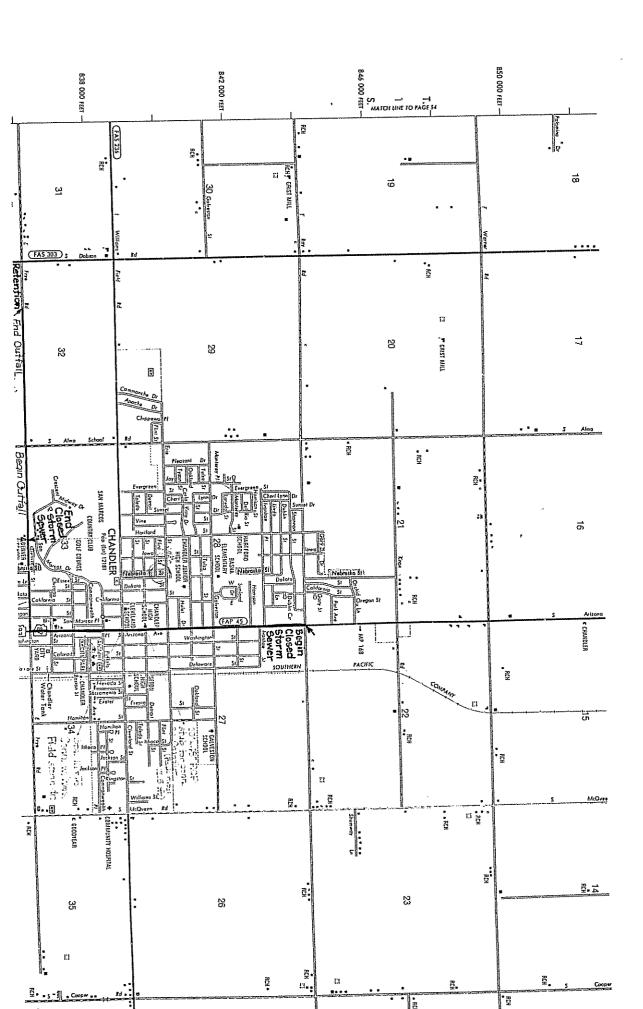
SUBJECT: Intergovernmental Agreement - AZ & City

(Denver Retention Basin Drainage)

I have reviewed the intergovernmental agreement. It is my opinion that the amount of money tendered by the State represents fair compensation for the work which must be done. Further, the safeguards and releases called out in the proposed agreement are appropriate and acceptable to this department.

Deputy City Engineer

AEF:ak



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INTERCOVER. THE PRAIL AGREEME ME

PHE STATE OF ARIZONA

AND
THE CITY OF CHARLER

AGRUEMENT NO. PROJECT NO. M-959-5-591

THIS AGREEHEAT, entered into this <u>25th</u> day of <u>January</u> 197**9**, nursuant to Arizona Revised Statutes, Sections 11-951 through 11-954, as amended, by and between the STATE OF ARIZONA, acting by and through the ARIZONA DEPARTMENT OF TRANSPORTATION, hereinafter called "STATE", and the CITY OF CHANDLER, hereinafter called "CITY",

WHERDAS, STATE is empowered by A.R.S. Section 23-108 to enter into this Agreement and the Director of the ARIZONA DEPARTMENT OF TRANSPORTATION has delegated to the undersigned his authorization to execute this Agreement on behalf of the STATE; and

WHEREAS, CITY is empowered by A.R.S. Section 9-672 to enter into this Agreement, and acting by and through its duly elected governing body, has by that certain resolution attached hereto and incorporated nersin as Exhibit "A" resolved to enter into this Agreement and has authorized the undersigned as its representative to execute the same on behalf of said CITY; and

WHEREAS, the parties hereto, in the interest of the public safety and convenience, wish to jointly improve State Route 87-93 (Arizona Avenue) within the incorporated limits of CITY from Denver Street to Knox Road; and

MIDREAS, an integral part of said improvement shall be the provision for a drainage system that will accommodate storm drainage water from the highway as well as from the CITY.

MOW, THEREFORE, in consideration of the mutual covenants hereinafter to be kept by all parties, it is mutually agreed as follows:

STATE shall:

- 1. Design and construct improvements to Arisona Avenue from Denver Street to Enox Road, including a storm drainage collection and disposal system with a retention basin in accordance with plans approved by both parties hereto.
- 2. Provide for a commention to said system of the existing Williams Field Road DAT provider of approximate Station 111+75.
- Provide a ME^R ROP stub in the vicinity of Detroit Street to mich CIPV may connect a sine culvert to drain the area between the highway and the Southern Pacific Railroad.

CITY shall:

1. Provide monotary contribution to the project in the sun of roun HE DREA HI HEY-PIVE THOUSAND AND HOZIOO (\$495,000) DOLLARS, of which \$370,000 will come from reserve funds and State shall credit City the sum of approximately \$125,000 for which City shall transfer and assign to State its share of uncommitted Pederal Transfer and assign to State its share of feteral fideal years. The \$370,000 shall be denosited with State on or before the date that State awards the contract for the construction of said system.

NO. 57 O 4 O FILED WITH SECRETARY OF STATE Date Fire 11 - 2 4 - 79

M-950-6-701 Denver St.-Knox Rd. (Chandler)

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- 2. Provide a retention basin site in the vicinity of the Hebraska St. and Elgin St. interaction of a size adequate to accept gravity flows from the storm drain system for 83 zerefect of water.
- 3. Grant and hereby does grant to State the right to enter upon the existing rights of war of city streets to perform any work necessary to accomplish the objectives of this agreement.
- 1. Orante and maintain all drainage system facilities outside of the Arisona Avenue (State Route 37-93) right of way limits, including but not limited to the outfall pipe, channel and retention pasin.

This Agreement shall remain in force and effect until the work nerein embraced has been completed in accordance with the terms of the Agreement or until earlier terminated by either STATE or CITY upon thirty (3D) days' written notice of that intent, except, however, that the parties hereto shall retain any continuing obligations contemplated by this Agreement. In the event of such termination a determination shall be made by both parties hereto as to the benefits each shall derive from the construction done as of the date of termination and a pro rate refund made to each party reasonably commensurate with such benefits.

This Agreement shall be filed with the Secretary of State and shall become effective on the filing date.

Attached to this Agreement and incorporated herein by reference is Exhibit "B" which is a copy of the written determination of the appropriate attorney that CITY is authorized under the laws of this State to enter into this Agreement and that it is in proper form.

IN WITHERS WHEREOF, the parties have executed this Agreement the day and year first written above.

CITY OF CHANDLER DEPARTMENT OF TRANSPORTATION STATE OF ARIZODA

Cy: Comment Comment

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Title: <u>Director</u>

Title:

Mayor

ATTEST:

civy ocal

JRia: do 12-7-70

RESOLUTION

BE IT RESOLVED on this <u>llth</u> day of <u>January</u> 1979, that I, W. A. Ordway, Director of the Arizona Department of Transportation, have determined that pursuant to Arizona Revised Statute 28-108, it is in the best interest of the State of Arizona, acting by and through the Highways Division of the Department of Transportation, to enter into an Intergovernmental Agreement with the City of Chandler for the improvement of Arizona Avenue (S. R. 87) which shall include a storm drainage system.

Therefore, authorization is hereby given to draft said Agreement, which, upon completion, shall be submitted for approval and execution.

W. A. ORDWAY, Director

Arizona Department of Transportation

RESOLUTION NO. 811

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF CHANDLER, ARIZONA, AUTHORIZING THE CITY TO ENTER INTO AN AGREEMENT WITH THE ARIZONA DEPARTMENT OF TRANSPORTATION TO IMPROVE STATE ROUTE 87-93 (ARIZONA AVENUE) WITHIN THE INCORPORATED LIMITS OF THE CITY FROM DENVER STREET (FRYE ROAD) TO KNOX ROAD.

WHEREAS, the parties hereto, in the interest of the public safety and convenience, wish to jointly improve the State Route (Arizona Avenue).

WHEREAS, an integral part of said improvements shall be the provision for a drainage system that will accommodate storm drainage water from the highway as well as from the City.

WHEREAS, through an Intergovernmental Agreement, the City will share in the cost of the construction of the drainage system.

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Chandler, Arizona, as follows:

SECTION I. That the City of Chandler, Arizona is authorized to enter into an agreement with the Arizona Department of Transportation to improve State Route 87-93 (Arizona Avenue).

SECTION II. That the Mayor of the City of Chandler is authorized to sign such an Agreement.

PASSED AND APPROVED by the Mayor and Council of the City of Chandler, Arizona this // day of January, 1979.

MAYOR

ATTEST:

CERTIFICATION

I HEREBY CERTIFY that the above and foregoing Resolution No. 2 was duly passed and adopted by the City Council of the City of Chandler, Arizona, this 1/2 day of 1979, and a quorum was present thereat.

/ Velen Mª Care

City Attorney's Certification

January , 1979

This is to certify that the City of Chandler is authorized under the laws of the State of Arizona and the City Charter to enter into an intergovernmental agreement to improve State Route 87-93 (Arizona Avenue) within the incorporated limits of the City from Denver Street (Frye Road) to Knox Road.

This agreement is acceptable as to form.

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JOB NO. 6-8045F SHT. NO. Retention Basin Penver DATE: 6/12/80 ADAM, HAMLYN, ANDERSON Drainage CONSULTING ENGINEERS, INC. of & Sec 30 -15-5E Ce-ler Scation NE cor NW4SE4 IN = 1208.92 ZdLength of Force Hain = 1100 t. F. Penver School Elgin St Retention Basin 937.5

سيهيد لايار التأكيم المجادد

ADOT Benchmark - SE Corner Basketball Court El = 1209-93

SHT. NO JOB NO. ADAM, HAMLYN, ANDERSON 2 of 8 DATE: CONSULTING ENGINEERS, INC. BY: on ADOT Datum All Elevations 1215.09 EΙ 511.89 1215.81 -Drop 1.40 3.1 (1188 13 1187637 Inv 1186.03 1181.48 1181 19 Assumed HWL = 1209 (Lowest ,-let at Az Ave) Avoilable Valume = 5.0 × 106 ft3 (45*106 ft3 in ADOT colci - file) Dept1 = 5
for 1 x 10 6 / 3 11188.52 1189.31 art art _4WL = 1209 -1188,40 men C1215.20 6 1215 74

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SHT. NO ON BOL ADAM, HAMLYN, ANDERSON CONSULTING ENGINEERS, INC. .3 DATE: of 🖁 BY: Inlet Elev. 1182.00

DATE:

5HT. NO 4. ОБ

Check receiving capacity of tailwater ditch at Frya Rd

Tailwater Dital to Alma School is a lineal Vishaped

dital with 30" pipe culverts and iruns along the

horth side of Frya Rd. At Alma School & 30" Culvert

conveys the water west across Alma School Rd and south

to a dirt to luster ditch along the south side of Frya Rd

extended"

The slope of the detal 12 in 0.002 foft which approximates

The typical thew elops of 10' draps per mile length

The flow copocity of The detal is

$$A = \frac{1}{2} 6.3 = 9 \text{ }$$

$$\omega P = 2\sqrt{2x3^2} = 5.66'$$

$$R = 159'$$

$$R^{43} = 1365'$$

$$Q = \frac{149}{0012} A R^{\frac{1}{15}} S^{\frac{1}{15}}$$

$$= \frac{149}{0012} (9)(1365)(0002)^{\frac{1}{2}} = 68.2 c/s$$

Check 30° Culvert Flowing full 4/0 entrace vent losses $Q = \frac{149}{0.012} \left(\frac{2.5}{4}\right) \left(\frac{2.5}{4}\right)^{0.67} \left(0.002\right)^{1/2} = 19.9 \text{ cfs}$

}

JOB NO. DATE: BY:

Restrictions would be whert however anticipated

Consider using same pump as Ray Rd Pump State Pumps

Station will be "simplex" (I pump) submersible pump station
where pump can be left in place and be turned on
manifelly and turned all automatically or located in yard
and installed in wet dequell plugged into control panel
and exercted Pump and control panel will be incide
the fence.

Assumbana for analysis

State Hood = 1208 92 - 1181.48 = 27.44'

Length of force = 1100 LF + 100 LF (bends) = 1200 LF

Po-p Fygt 3152-432

Haze Williams Formula

 $Q = 0.285 \text{ CD}^{2.63} \circ \text{SY}$

Q 1- 9p-

D ,- inches

C = 140 ACP new

= 120 AeP old on Clase

 $HL = SL = \frac{1200 ft}{0.285 CD^{2-12}}$

JOB NO. SHT NO ADAM, HAMLYN, ANDERSON CONSULTING ENGINEERS, INC. DATE: 6 of \$ BY: 100 90 Q = 1050 gpm TDH = 47.4 ft 7 = 70% 80 P = 18.0 hp 70 60 Q= 1350 -10 50 TDH = 35 ' Dea=1150 1 = 0.65 40 30 20 10 Q=1050 0 200 400 600 1000 1400 1600 (gp~ a= 1120 gp-Q

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ADAM,	HAML	YN,	ANDERS	SON
CONSUL	TING E	NGI	NEERS.	INC.

JOB NO.

sht. NO 7

BY:

of 8

Cost Estimate

Materials (By A.D.O.T.)

525

(By City of Chandler)

1 Fygt 3152 inclu 7200 level sensors + rails 1 8" Check Value 1830

\$2000

1 8" Plug Volve (Flanged with gear operator)

1 Cortis/ Panel 2000

500

5500 (Incl. excarely)

1 33.20'dea Manhole (50ia) 1460 (without steps)

1 24×30" Lid 1000

1 24" Dia Lid 200

1 33' Ladder 250

Monhole Base concrebe, 300

1 Precast. Cover 450 200

1200 Lineal feet 10"

dia (loss 150 ACP)

6 \$6.51 / LF 7812

5,000

1 Drecharge Headwall 500 250 Energy diesipalis

Engineering, Stoking 4,500
4 Inspection \$ 23,527

8 18,100

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